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Applicant Gordon W. Duff et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AC	5,686,246	11/11/97	Kornman et al.	435	6	08/03/95
	AB 5,698,399	12/16/97	Duff et al.	435	6	04/05/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AC WO 97/25445	7/17/97	PCT				
	AD WO 98/44150	10/8/98	PCT				
	AE WO 98/15653	4/16/98	PCT				
	AF WO 98/54359	12/3/98	PCT				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

AG	Bailey et al.; " An Intronic Polymorphic Repeat Sequence Modulates Interleukin-1 Alpha Gene Regulation", Molecular Immunology 33(11/12):999-1006 (1996)
AH	Bailey et al.; " Genetic Polymorphism of Human Interleukin-1 α ", Eur. J. Immunol. 23: 1240-1245 (1993)
AI	Blakemore et al.; " Association of Graves' Disease with an Allele of the Interleukin-1 Receptor Antagonist Gene ", Journal of Clinical Endocrinology and Metabolism 80(1): 111-115 (1995).
AJ	Blakemore et al.; " Interleukin-1 Receptor Antagonist Gene Polymorphism as a Disease Severity Factor in Systemic Lupus Erythematosus", Arthritis & Rheumatism 37(9): 1380-1385 (September 1994).
AK	Clay et al.; " Interleukin-1 Receptor Antagonist Gene Polymorphism Association with Lichen Sclerosus", Hum. Genet. 94: 407-410 (1994).
AL	Copeman et al.; "Linkage Disequilibrium Mapping of a Type 1 Diabetes Susceptibility Gene (IDDM7) to Chromosome 2q31-q33", Nature Genetics 9: 80-85(1995).
AM	Cork et al.; " Genetic Control of Cytokines ; Cytokine Gene Polymorphisms in Alopecia Areata ", Dermatologic Clinics 14(4): 671-678 (October 1996)
AN	Cox et al.; " An Analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", Am. J. Hum. Genet. 62:1180-1188(1998)
AO	Guash et al.; " Five Novel Intragenic Dimorphism in the Human Interleukin-1 Genes Combine to High Informativity", Cytokine 8(8): 598, (1996)
AP	Hart and Kornman; " Genetic Factors in the Pathogenesis of Periodontitis", Periodontology 14: 202-215 (2000).
AQ	Hurme et al.; " IL-1 Receptor Antagonist (IL-1Ra) Plasma Levels are co-ordinately Regulated by Both IL-1Ra and IL-1B Genes", European J. Immunol., 28:2598, (1998)
AR	Kimble et al.; " Interleukin-1 Receptor Antagonist Decreases Bone Loss and Bone Resorption in Ovariectomized Rats", J. Clin. Invest. 93: 1959, (1994)

AS	Kornman, KS et al.; "The Interleukin-1 Genotype as a Severity Factor in Adult Periodontal Disease", <i>J. Clin. Periodontol.</i> 24: 72-77 (1997).
AT	Lander and Schork; "Genetic Dissection of Complex Traits ", <i>Science</i> 265: 2037-2048 (September 30, 1994)
AV	Mansfield et al.; "Novel Genetic Association Between Ulcerative Colitis and the Anti-inflammatory Cytokine Interleukin-1 Receptor Antagonist", <i>Gastroenterology</i> 106: 637-642 (1994).
AW	McDowell et al.; "A Genetic Association Between Juvenile Rheumatoid Arthritis and a Novel Interleukin-1 α Polymorphism", <i>Arthritis and Rheumatism</i> 38(2): 221-228 (February 1995).
AX	Nicklin et al.; "A Physical Map of the Region Encompassing the Human Interleukin-1 α , Interleukin-1 β , and Interleukin-1 Receptor Antagonist Genes", <i>Genomics</i> 19: 382-384 (1994).
AY	Pociot et al.; "A TaqI Polymorphism in the Human Interleukin-1 β (IL-1 β) Gene Correlates with IL-1 β Secretion in Vitro ", <i>European Journal of Clinical Investigation</i> 22: 396-402 (1992)
AZ	Andus, T. et al., "IL-1ra genotype 2 is associated with reduced IL-1ra in colonic mucosa", <i>Gastroenterology</i> , 108:A3070 (1996).
BA	Andus, T. et al., "Imbalance of the interleukin 1 system in colonic mucosa--association with intestinal inflammation and interleukin 1 receptor antagonist genotype 2", <i>Gut</i> , 41:651-657 (1997).
BB	Bioque, G. et al., "Allelic polymorphism in IL-1 β and IL-1 receptor antagonist genes in inflammatory bowel disease", <i>Clinical and experimental Immunology</i> , 102:379-383 (1995).
BC	Blakemore, A. et al., "Interleukin-1 receptor antagonist allele (IL1RN*2) associated with neuropathy in diabetes mellitus", <i>Human Genetics</i> , 97:374 (1996).
BD	Clay, F. et al., "Novel interleukin-1 receptor antagonist exon polymorphisms and their use in allele-specific mRNA assesment", <i>Human Genetics</i> , 97:723-726 (1996).
BE	Cork, M.J. et al., "An allele in of the interleukin-1 receptor antagonist as a genetic severity factor in alopecia areata", <i>J. Investigative Dermatology</i> , 104:15S-16S (1995).
BF	Cox, A. et al., "An analysis of Linkage Disequilibrium in the Interleukin-1 Gene Cluster, Using a Novel Grouping Method for Multiallelic Markers", <i>Am. J. Hum. Genet.</i> , 62:1180-1188 (1998).
BG	Crusius, J.B.A. et al., "Interleukin-1 receptor antagonist gene polymorphism and multiple sclerosis", <i>Lancet</i> , 346:979-980 (1995).
BH	Cuddihy, R. et al., "Lack of association between alleles of interleukin-1 alpha and interleukin-1 receptor antagonist genes and Graves' disease in a North American Caucasian population" <i>J. of Clinical Endocrinology & Metabolism</i> , 81:4476-4478 (1996).
BI	Diehl, S. et al., "Interleukin-1 genotypes and the risk of early onset periodontitis- a family based study of linkage disequilibrium", <i>J. Dental Research</i> , 77 Suppl. :195 (1998).
BJ	Duerr, R.H. et al., "Association between ulcerative colitis and a polymorphism in intron 2 of the interleukin-1 receptor antagonist gene", <i>Gastroenterology</i> , 108:A812 (1995).
BK	Eastell, R. et al., "IL-1 receptor antagonist genotype as a predictor of bone loss in postmenopausal women", <i>Bone</i> , 23 (5s):S375 (1998).
BL	Eastell, R. et al., "IL-1 receptor antagonist genotype is associated with a low bone mineral density in postmenopausal women", <i>Bone</i> , 23 (5S):S375 (1998).
BM	Engelbreton, S.P. et al., "The influence of interleukin-1 (IL-1) gene polymorphisms on expression of IL-1 β and tumor necrosis factor α (TNF α) in periodontal tissue and gingival crevicular fluid", <i>J. Periodontology</i> (1998).
BN	Freedman, B. I. et al., "Genetic linkage analysis of growth factor loci and end-stage renal disease in African Americans", <i>Kidney International</i> , 51(3):819-825 (1997).
BO	Friedlander, R. M. et al., " Inhibition of ICE slows ALS in mice", <i>Nature</i> , 388:31 (1997).

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AC	BP	Gore, E.A. et al., "Interleukin-1 β ³⁹⁵³ allele 2: association with disease status in adult periodontitis", <i>J. Clin. Periodontology</i> , 25:781-785 (1998)
	BQ	Herren, L.T. et al., "IL-1 receptor antagonist as a potential new therapeutic agent for osteoporosis: a computer simulation model of bone remodeling and osteoporosis", <i>Bone</i> , 23 (5S): S620 (1998).
	BR	Hsueh, R. et al., "Production of mice deficient in genes for interleukin (IL)-1 alpha, IL-1 beta IL-1 alpha/beta, and IL-1 receptor antagonist shows that IL-1 beta is crucial in turpentine-induced fever development and glucocorticoid secretion", <i>J. Experimental Medicine</i> , 187:1463-1475 (1998).
	BS	Hurme, M. et al., "Polymorphisms of the IL-1 gene complex in Epstein-Barr virus seronegative and seropositive adult blood donors", <i>Scandinavian J. of Immunology</i> , 48:219-222 (1998).
	BT	Keen, J. et al., "Allelic variation at the interleukin-1 receptor antagonist gene is associated with early postmenopausal bone loss at the spine", <i>Bone</i> , 23:367-371 (1998).
	BU	Louis, E. et al., "Cytokine gene polymorphism in inflammatory bowel diseases", <i>Gut</i> , 39:705-710 (1996).
	BV	Mandrup-Poulsen T. et al., "Monokine antagonism is reduced in patients with IDDM", <i>Diabetes</i> , 43:1242-1247 (1994).
	BW	McGuire M.K. et al., "Prognosis versus actual outcome. IV. The effectiveness as clinical parameters and IL-1 genotype in accurately predicting prognosis and tooth survival", <i>J. Periodontology</i> , (1998)
	BX	Muhlberg, T. et al., "Lack of Association of Graves' Disease with the A2 Allele of the Interleukin-1 Receptor Antagonist in a White European Population", <i>European J. of Endocrinology</i> , 138:686-690 (1998).
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	BZ	Okada, H. et al., "Cytokine expression in periodontal health and disease", <i>Critical Reviews in Oral Biology & Medicine</i> , 9:248-266 (1998).
	CA	Stokkers, P.C.F. et al., "Five genetic markers in the interleukin-1 family in relation to inflammatory bowel disease", <i>Gut</i> , 43:33-39 (1998).
	CB	Suzuki, H. et al., "Interleukin-1 receptor antagonist gene polymorphism in Japanese patients with systemic lupus erythematosus", <i>Concise Communications</i> , 389-390.
	CC	Tarlow, J. et al., "Association between interleukin-1 receptor antagonist (IL-1ra) gene polymorphism and early and late-onset psoriasis", <i>British Journal of Dermatology</i> , 148-149 (1997).
	CD	Tarlow, J.K. et al., "Severity of Alopecia areata is associated with a polymorphism in the interleukin-1 receptor antagonist gene", <i>J. Invest. Dermatol.</i> 103: 387-390 (1994).
	CE	Tarnow, L. et al., "Polymorphisms in the interleukin-1 gene cluster do not contribute to the genetic susceptibility of diabetic neuropathy in Caucasian patients with IDDM", <i>Diabetes</i> , 46:1075-1076 (1997).
	CF	Clark et al., "Genomic Sequence for Human Prointerleukin I beta: Possible Evolution from the a Reverse Transcribed Prointerleukin I alpha Gene", <i>Nucleic Acids Research</i> , 14 (20): 7897-7914 (1986).
	CG	Di Giovine et al., "Single Base Polymorphism at -511 in the Human Interleukin-1 β Gene (IL1 β)", <i>Human Molecular Genetics</i> , 1 (6): 450 (September 1992).
	CH	Clay, et al., "Novel Interleukin-1 Receptor Antagonist <u>Exon Polymorphisms</u> and their use in Allele-specific mRNA Assessment", <i>Hum. Genet.</i> 97 (6): 723-726 (June 1996).
	CI	Duff, "Molecular Genetics of Cytokines", <i>The Cytokine Handbook</i> (1994 2 nd ed., chap. 2 :21-30.
AC	CJ	International Search Report Completed on April 04, 2001 and mailed on July 12, 2001

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Arum Kr. Chakrabarti

2/25/02

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